

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
11 January 2001 (11.01.2001)

PCT

(10) International Publication Number  
WO 01/02640 A1

(51) International Patent Classification<sup>7</sup>: D21C 9/147

(21) International Application Number: PCT/SE00/01435

(22) International Filing Date: 5 July 2000 (05.07.2000)

(25) Filing Language: Swedish

(26) Publication Language: English

(30) Priority Data:  
9902586-8 6 July 1999 (06.07.1999) SE

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(81) Designated States (national): AE, AL, AM, AT, AU, AZ,  
BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK,  
DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL,  
IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU,  
LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT,  
RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA,  
UG, US, UZ, VN, YU, ZA, ZW.

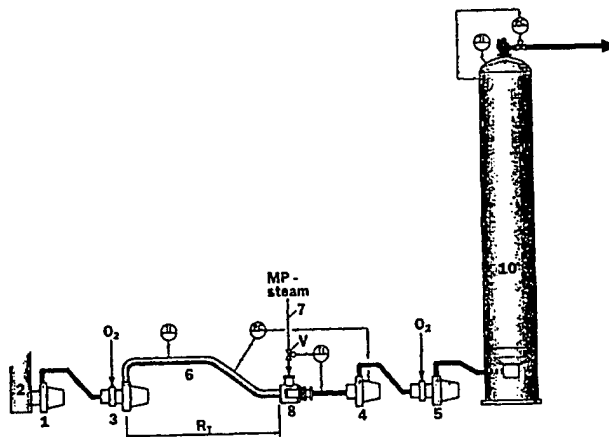
(84) Designated States (regional): ARIPO patent (GH, GM,  
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian  
patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European  
patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE,  
IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG,  
CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:

- With international search report.
- Before the expiration of the time limit for amending the  
claims and to be republished in the event of receipt of  
amendments.

For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: SYSTEM AND PROCESS FOR THE OXYGEN DELIGNIFICATION OF PULP CONSISTING OF LIGNOCELLU-  
LOSE-CONTAINING MATERIAL



(57) Abstract: The invention relates to a system and a process for the oxygen delignification of pulp which consists of ligno-  
cellulose-containing material and whose mean concentration is 8-18 % pulp consistency, in at least two stages. The invention is  
characterized in that oxygen delignification takes place in a process sequence consisting of: a first lamp (1), followed by a first  
oxygen mixer (3), followed by a first delignification zone (6) and, directly afthat, followed by a second steam mixer (8), followed by  
a second pump (4), followed by a third oxygen mixer (5) and, finally, a second delignification zone (10). This makes it possible, in  
an industrial process, to exploit the kinetics of oxygen delignification optimally in order to obtain selective oxygen delignification at  
low installation cost and low operating cost, even if only low-pressure steam is available.

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